

IN THE CLAIMS:

Please cancel claims 1-13. Please add new claims 14 - 23. This listing of claims will replace all prior versions and listings of the claims in the application:

Claims 1 - 13 (Canceled)

14. (New) Method for measuring the geometry and surface evenness of a moving metal strip by producing a pattern on the metal surface to be measured using a light source, wherein said light source can produce a changeable pattern on the metal surface by means of projection with the aid of a transparency, and a camera, wherein a pattern usable for the measuring situation is selected and produced.

15. (New) Method according to claim 14, characterized in that the pattern is produced with the aid of a liquid-crystal device.

16. (New) Method according to claim 14, characterized in filtering elastic form changes using the initially detected peaks and separating the peaks according to different frequencies and wavelength on account of strip movements.

17. (New) Method according to claim 14, characterized by measuring by using the edge boundary of the strip.

18. (New) Method according to claim 17, characterized in that the strip width or cut length is determined from the edge boundary.

19. (New) Method according to claim 14, characterized in measuring the geometry of a known element of a measuring device and generating by computation a reference plane and a reference phase image from said measured geometry.

20. (New) Method for measuring the geometry and surface evenness of a moving metal strip by producing a pattern on the metal surface to be measured using a light source, and a camera, wherein the pattern on the metal surface to be measured is produced by means of projection with the aid of transparency, characterized in filtering elastic form changes using the initially detected peaks and separating the peaks according to different frequencies and wavelength on account of strip movements.

21. (New) Method for measuring the geometry and surface evenness of a moving metal strip by producing a pattern on the metal strip to be measured using a light source, and a camera, wherein the pattern on the metal surface to be measured is produced by means of projection with the aid of transparency, characterized by measuring by using the edge boundary of the strip.

22. (New) Method according to claim 21, characterized in that the strip width or cut length is determined from the edge boundary.

23. (New) Method for measuring the geometry and surface evenness of a moving metal strip by producing a pattern on the metal surface to be measured using a light source, and a camera, wherein the pattern on the metal surface to be measured is produced by means of projection with the aid of transparency, characterized in measuring the geometry of a known element of a measuring device and generating by computation a reference plane and a reference phase image from said measured geometry.